CLAIMS

What is claimed is:

1. A method of protecting a title key for a recordable media content in a secure distribution system, comprising:

creating an encrypted content/title key package by encrypting the title key with the recordable media content;

transmitting the encrypted content/title key package to a media recording device;

extracting an encrypted title key from the encrypted content/title key package;

obtaining a media key block and a media ID from a physical media;

transmitting the encrypted title key, the media key block, and the media ID to a clearinghouse server utilizing a title key decryption/encryption module;

decrypting the encrypted title key;

deriving a unique media key for the physical media;

creating a re-encrypted title key by encrypting the title key with the unique media key; and

transmitting the re-encrypted title key to the media recording device to record on the physical media with the recordable media content.

- 2. The method of claim 1, further comprising encrypting the recordable media content with the title key.
- 3. The method of claim 2, further comprising randomly selecting the title key.

- 4. The method of claim 2, wherein encrypting the title key comprises encrypting the title key with the recordable media in a manner agreed upon between a recordable media content repository and the clearinghouse server for processing the title key.
- 5. The method of claim 4, wherein encrypting the title key comprises encrypting the title key with a common key that is agreed upon between the recordable media content repository and the clearinghouse server.
- 6. The method of claim 4, wherein encrypting the title key comprises encrypting the title key with a public key that is provided by the clearinghouse server.
- 7. The method of claim 4, wherein encrypting the title key comprises encrypting the title key with a key obtained from a media key block.
- 8. The method of claim 4, wherein the recordable media content repository stores the encrypted content/title key package for any of sale or distribution to a user.
- 9. The method of claim 4, further comprising transmitting the encrypted content/title key package to the media recording device.
- 10. The method of claim 1, further comprising extracting the encrypted title key from the encrypted content/title key package.
- 11. The method of claim 10, further comprising decrypting the encrypted title key using the media key block and the media ID.

- 12. The method of claim 11, further comprising deriving a media unique key from the media key block and the media ID.
- 13. The method of claim 1, further comprising recording the content and the re-encrypted title key on the physical media.
- 14. The method of claim 1, further comprising transmitting a digest of the media key block to the clearinghouse server instead of a complete media key block.
- 15. The method of claim 14, further comprising determining from the digest of the media key block whether the media key block has been previously seen.
- 16. The method of claim 15, further comprising requesting the media key block from the media recording device if the title key decryption/encryption module determines the media key block has not been previously seen.
- 17. A computer program product having a set of instruction codes for protecting a title key for a recordable media content in a secure distribution system, comprising:
- a first set of instruction codes for creating an encrypted content/title key package by encrypting the title key with the recordable media content;
- a second set of instruction codes for transmitting the encrypted content/title key package to a media recording device;
- a third set of instruction codes for extracting an encrypted title key from the encrypted content/title key package;
- a fourth set of instruction codes for obtaining a media key block and a media ID from a physical media;
 - a fifth set of instruction codes for transmitting the encrypted title key, the

media key block, and the media ID to a clearinghouse server utilizing a title key decryption/encryption module;

a sixth set of instruction codes for decrypting the encrypted title key;

a seventh set of instruction codes for deriving a unique media key for the physical media;

an eight set of instruction codes for creating a re-encrypted title key by encrypting the title key with the unique media key; and

a ninth set of instruction codes for transmitting the re-encrypted title key to the media recording device to record on the physical media with the recordable media content.

- 18. The computer program product of claim 17, further comprising a tenth set of instruction codes for encrypting the recordable media content with the title key.
- 19. The computer program product of claim 18, further comprising an eleventh set of instruction codes for randomly selecting the title key.
- 20. The computer program product of claim 18, wherein the third set of instruction codes encrypts the title key with the recordable media in a manner agreed upon between a recordable media content repository and the clearinghouse server for processing the title key.
- 21. The computer program product of claim 20, wherein the third set of instruction codes encrypts the title key with a common key that is agreed upon between the recordable media content repository and the clearinghouse server.

- 22. The computer program product of claim 20, wherein the third set of instruction codes encrypts the title key with a public key that is provided by the clearinghouse server.
- 23. The computer program product of claim 20, wherein the third set of instruction codes encrypts the title key with a key obtained from a media key block.
- 24. The computer program product of claim 20, wherein the recordable media content repository stores the encrypted content/title key package for any of sale or distribution to a user.
- 25. The computer program product of claim 20, further comprising a twelfth set of instruction codes for transmitting the encrypted content/title key package to the media recording device.
- 26. The computer program product of claim 17, further comprising a thirteenth set of instruction codes for extracting the encrypted title key from the encrypted content/title key package.
- 27. The computer program product of claim 26, further comprising a fourteenth set of instruction codes for decrypting the encrypted title key using the media key block and the media ID.
- 28. The computer program product of claim 27, further comprising a fifteenth set of instruction codes for deriving a media unique key from the media key block and the media ID.

- 29. The computer program product of claim 17, further comprising a sixteenth set of instruction codes for recording the content and the re-encrypted title key on the physical media.
- 30. The computer program product of claim 17, wherein the sixteenth set of instruction codes further transmits a digest of the media key block to the clearinghouse server instead of a complete media key block.
- 31. The computer program product of claim 30, further comprising a seventeenth set of instruction codes for determining from the digest of the media key block whether the media key block has been previously seen.
- 32. The computer program product of claim 31, wherein the seventeenth set of instruction codes requests the media key block from the media recording device if the title key decryption/encryption module determines the media key block has not been previously seen.
- 33. A system for protecting a title key for a recordable media content in a secure distribution system, comprising:

a content repository server creates an encrypted content/title key package by encrypting the title key with the recordable media content;

the content repository server transmits the encrypted content/title key package to a media recording device;

a title key decryption/encryption module extracts an encrypted title key from the encrypted content/title key package;

the title key decryption/encryption module obtaining a media key block and a media ID from a physical media;

the media recording device transmits the encrypted title key, the media key block, and the media ID to a clearinghouse server by means of the title key

decryption/encryption module;

the clearinghouse server decrypts the encrypted title key and derives a unique media key for the physical media; and

the clearinghouse server then creates a re-encrypted title key by encrypting the title key with the unique media key, and transmits the re-encrypted title key to the media recording device to record on the physical media with the recordable media content.

- 34. The system of claim 33, wherein the content repository server encrypts the recordable media content with the title key.
- 35. The system of claim 34, wherein the title key is a randomly selected key.
- 36. The system of claim 34, wherein the title key is encrypted with the recordable media in a manner agreed upon between a recordable media content repository and the clearinghouse server for processing the title key.
- 37. The system of claim 36, wherein the title key is encrypted with a common key that is agreed upon between the recordable media content repository and the clearinghouse server.
- 38. The system of claim 36, wherein the title key is encrypted with a public key that is provided by the clearinghouse server.
- 39. The system of claim 36, wherein the title key is encrypted with a key obtained from a media key block.
- 40. The system of claim 36, wherein the content repository server transmits the encrypted content/title key package to the media recording device.